

Top 20 Chemicals with Largest TRI On-site and Off-site Disposal or Other Releases, 2002

On-site Disposal or Other Releases																	Total On-site and Off-site Disposal or Other Releases Pounds
CAS Number Chemical	On-site Disposal to Class I Underground Injection				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases Pounds	Total Off-site Disposal or Other Releases Pounds		
	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	Surface Impoundment Pounds	Other Land Disposal Pounds	Subtotal Pounds					
-- Zinc compounds	524,630	20,377,049	31,401,577	52,303,255	1,890,486	4,523,203	1,065,962	10,146,844	428,835	237,607,132	177,008,456	432,670,917	484,974,173	211,311,693	696,285,866		
7647-01-0 Hydrochloric acid	8,639	2,000	0	10,639	1,912,282	597,125,275	2,744	0	0	5	72,033	599,112,339	599,122,978	287,773	599,410,751		
-- Lead compounds	298,522	10,833,364	14,841,763	25,973,649	351,191	823,372	104,591	6,877,491	93,044	126,721,478	227,967,609	362,938,777	388,912,425	28,217,339	417,129,765		
-- Arsenic compounds	72,092	548,102	4,009,808	4,630,002	27,842	150,699	101,258	899,300	82,952	131,766,378	263,549,271	396,577,700	401,207,702	2,373,234	403,580,936		
-- Copper compounds	263,125	5,159,700	8,341,083	13,763,908	344,237	561,685	369,086	672,135	162,325	94,728,746	206,076,700	302,914,914	316,678,822	14,446,436	331,125,258		
-- Nitrate compounds	36,362,385	169,202	1,176,376	37,707,963	384,586	121,485	202,596,204	87,892	12,766,849	7,951,589	303,257	224,211,861	261,919,824	12,538,762	274,458,586		
-- Manganese compounds	9,352,555	3,446,036	70,774,651	83,573,242	776,956	1,155,005	6,692,751	1,342,065	1,071,580	43,028,585	71,878,360	125,945,303	209,518,545	50,428,996	259,947,541		
-- Barium compounds	28,593	1,812,993	79,868,223	81,709,810	146,971	2,144,377	1,264,666	7,757	2,002,833	78,603,637	8,184,043	92,354,283	174,064,093	47,421,215	221,485,309		
67-56-1 Methanol	14,028,693	1,909	484,044	14,514,646	17,424,785	128,875,629	4,359,461	120,901	201,062	385,079	392,682	151,759,599	166,274,245	940,486	167,214,732		
7664-41-7 Ammonia	23,353,538	286	115,468	23,469,292	27,296,684	92,553,893	4,865,069	35,123	1,893,945	1,576,144	114,874	128,335,732	151,805,024	2,496,325	154,301,350		
7664-93-9 Sulfuric acid	1,405,882	0	0	1,405,882	571,125	138,523,514	45	0	0	5	654	139,095,343	140,501,225	44,731	140,545,956		
7664-39-3 Hydrogen fluoride	5,300,000	36,420	59,696	5,396,116	2,367,522	67,052,967	36,509	0	0	1,814,522	5,062	71,276,582	76,672,698	239,481	76,912,178		
108-88-3 Toluene	960,501	37,895	8,457	1,006,853	23,319,540	40,225,042	24,721	297	77	984	41,539	63,612,200	64,619,053	1,070,224	65,689,277		
-- Chromium compounds	2,013,526	6,149,569	7,672,524	15,835,619	96,255	470,388	183,271	68,456	243,597	13,044,926	2,407,334	16,514,226	32,349,845	22,563,721	54,913,567		
100-42-5 Styrene	160,099	148,951	29,691	338,741	10,627,007	36,672,721	3,535	0	0	12	28,314	47,331,589	47,670,330	1,842,407	49,512,737		
7440-66-6 Zinc (fume or dust)	0	32,563,907	331,192	32,895,098	221,314	670,650	34,920	0	23,782	295,589	118,312	1,364,566	34,259,664	12,923,742	47,183,407		
-- Vanadium compounds	1,070,604	273,368	17,606,034	18,950,006	21,615	1,107,518	589,037	0	577,655	18,435,963	1,360,125	22,091,913	41,041,919	5,673,569	46,715,489		
110-54-3 n-Hexane	63,613	298	13,905	77,816	17,867,407	26,840,533	7,317	11	49	13	12,199	44,727,530	44,805,346	61,230	44,866,576		
1330-20-7 Xylene (mixed isomers)	760,707	71,250	3,055	835,012	10,276,433	31,959,455	26,107	400	1,098	379	144,633	42,408,503	43,243,515	670,380	43,913,895		
-- Nickel compounds	414,279	1,943,075	5,333,449	7,690,803	69,923	869,141	202,634	201,738	206,746	13,391,606	6,494,201	21,435,989	29,126,792	9,875,736	39,002,528		

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata/index.htm#pdr](http://www.epa.gov/tri/tridata/index.htm#pdr).

On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), Surface Impoundments (5.5.3) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection (M71), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), Surface Impoundments (M63), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1 Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.